



Lineup of the highly reliable **LCC Series** of NC Straightener-Feeders

Material thickness

Compact Type

P 8 ▶

LCC 03KL Series

Width: 1.968" ~ 11.811"
Thickness: Max 0.126"



LCC SA Series

Width: 1.968" ~ 15.748"
Thickness: Max 0.126"



LCC KR3 Series

Width: 1.968" ~ 15.748"
Thickness: Max 0.126"



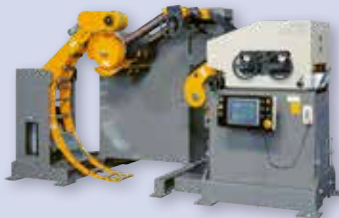
LCC HF1 Series

Width: 1.968" ~ 23.622"
Thickness: Max 0.126"

P 4 ▶



High-Performance Type



LCC HF4 Series

Width: 1.968" ~ 39.370"
Thickness: Max 0.177"

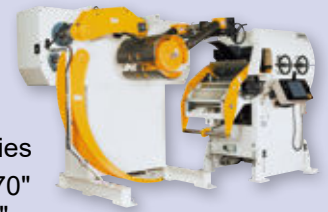
P 4 ▶



LCC HF2 Series

Width: 1.968" ~ 39.370"
Thickness: Max 0.177"

P 5 ▶



LCE HR3 Series

Width: 2.756" ~ 23.622"
Thickness: Max 0.236"

P 6 ▶



LCC HR3 Series

Width: 2.756" ~ 51.181"
Thickness: Max 0.236"

P 6 ▶



LCC 92HT Series

Width: 2.756" ~ 9.842"
Thickness: Max 0.236"

P 5 ▶

LCC HL Series

Width: 2.756" ~ 51.181"
Thickness: Max 0.236"

P 7 ▶



Heavy-Duty Type

P 9 ▶



LCC GD Series

Width: 2.756" ~ 31.496"
Thickness: Max 0.472"



LCC PM2 Series

Width: 2.756" ~ 51.181"
Thickness: Max 0.354"



Material width

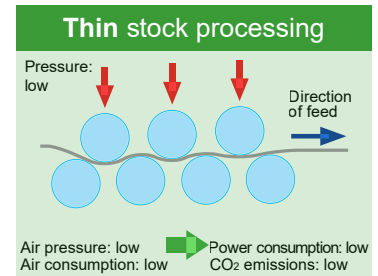
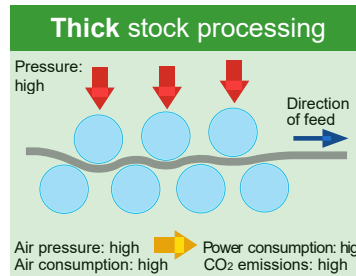
The **ORII** brand, which incorporates high technology and abundant experience, provides a wide variety of options for the diverse needs of our customers.



Energy saving of up to 50% by the ECO Release mechanism



The ECO Release mechanism contributes to energy savings. Since it is possible to control the optimum air cylinder pressure according to the processing material and plate thickness, power consumption can be reduced by up to about 50%.



TP-CCS control system with a user-friendly touch screen

Required information for setup, operation, maintenance, etc. is centrally managed in the four basic modes of setting, setup, operation, and maintenance. It is a total operation system equipped with various functions to support diversification and sophistication of product processing and shortened work time.

Setting



Setup



Operation



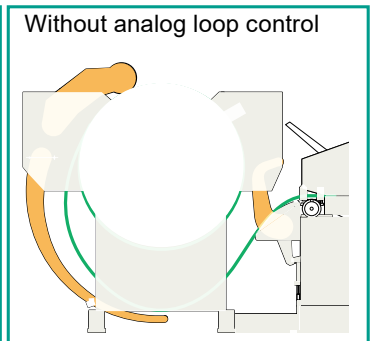
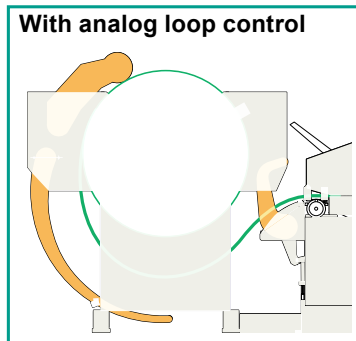
Maintenance



Improved product quality and simplified setup with analog loop control

Analog loop control is a function that converts the loop control of the uncoiler into analog and synchronizes the unwinding speed of the coil with the line speed.

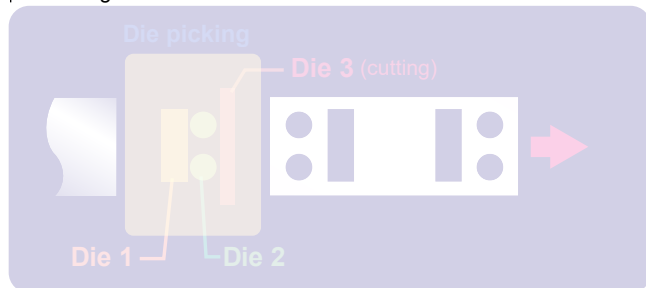
During automatic operation, the uncoiler keeps rotating at a constant speed without stopping, preventing the coil material from unraveling uncontrollably and promoting stable processing. This prevents scratches on the coil material, improving product quality and the life of parts, and simplifies coil material replacement.



Diverse processing with multistage die picking

We have introduced our unique rationalization know-how to meet the strong needs of a multi-stage feeding system for stamping press machines.

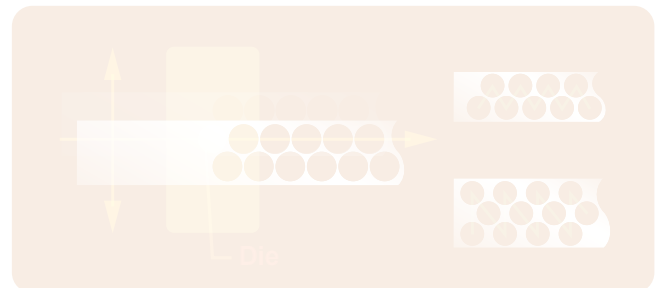
This is a function to set the feed length, die selection, etc. for each stage and operation of the machine. Up to 99 steps can be set for each product. The number of repetitions and the synchronization signal to the press can also be set, supporting a wide variety of processing.



Yield improvement with zigzag feeding system

It greatly improves the yield and reduces the material cost.

This is an optional feed system that enables zigzag feeding, which will reduce the generation of scrap material and cost, and is environmentally conscious.





A lineup of NC Straighter-Feeders, from space-saving to

High-Performance Type

It is an intelligent high-performance type equipped with a **TP-CCS** control system that realizes total operation.

LCC HF1 Series

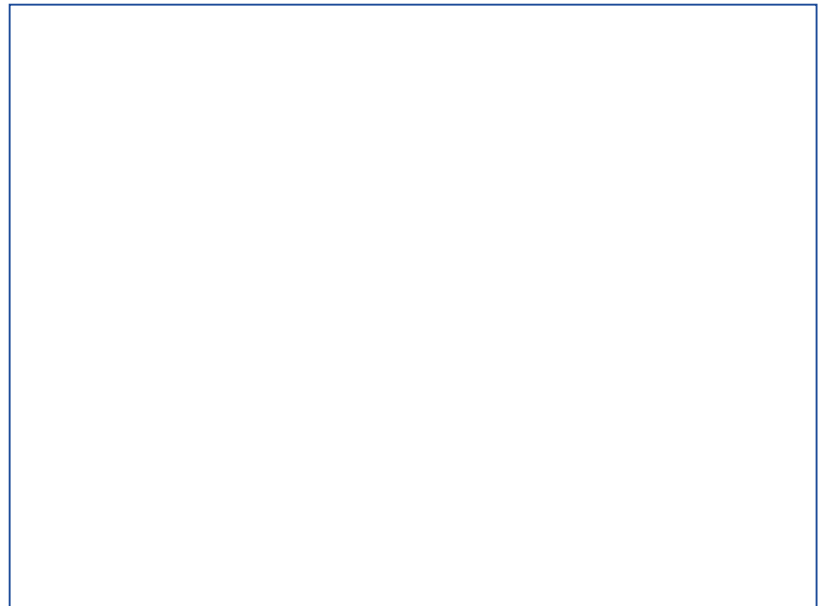
Width: 1.968" ~ 23.622"
Thickness: Max 0.126"



This is an economical model that takes advantage of on-site needs.



Main dimensions



LCC HF4/HF2 Series

Series

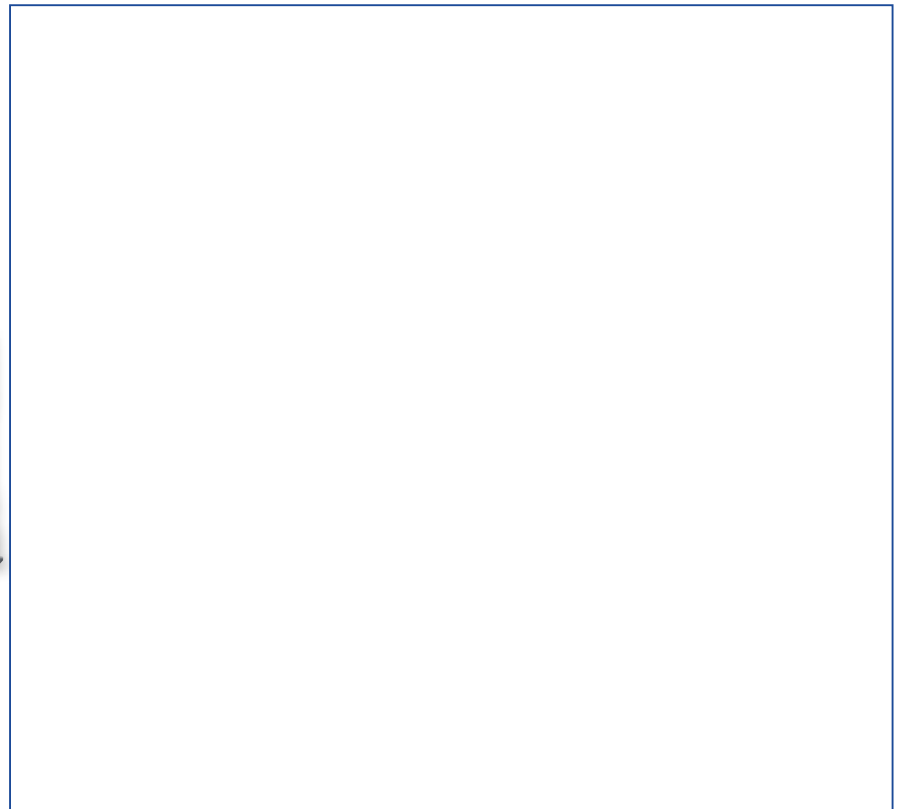
Width: 1.968" ~ 39.370"
Thickness: Max 0.177"



This is a highly operable and reliable model that allows material to be passed through with a simple button operation.



Main dimensions



High-Performance Type

large-scale, which streamlines stamping press processing

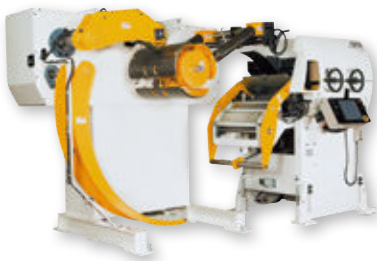
LCC HY Series

Main dimensions



Width: 1.968" ~ 39.370"
Thickness: Max 0.177"

High-precision leveling is achieved by using 11 work rolls.



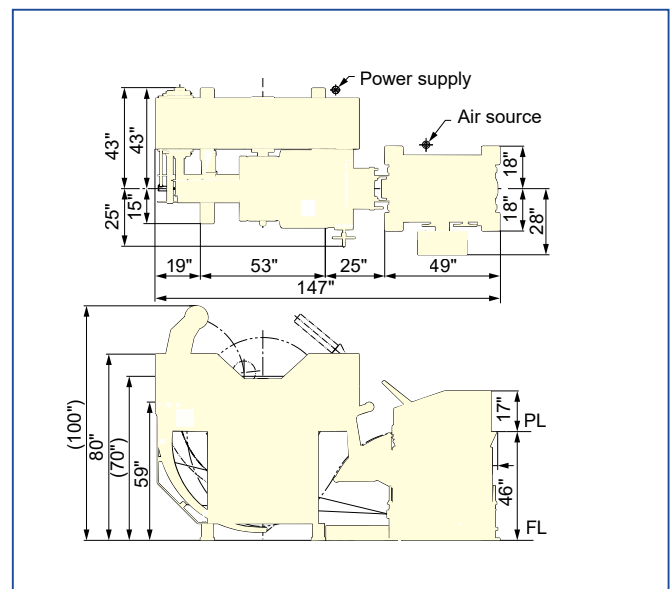
LCC 92HT Series

Main dimensions



Width: 2.756" ~ 9.842"
Thickness: Max 0.236"

This is ideal for material for small parts and saving space.





LCC HR3 Series

Width: 2.756" ~ 51.181"
Thickness: Max 0.236"



LCC HR3 Series realizes productivity and operability by condensing high versatility in a compact size.

Main dimensions



LCE HR3 Series

Width: 2.756" ~ 23.622"
Thickness: Max 0.236"



With just a one-button operation, coil material threading and loop formation have been automated. Achieves both improved work setup and high economic efficiency.

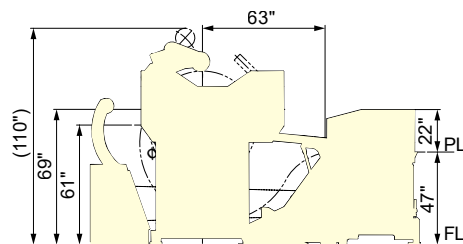
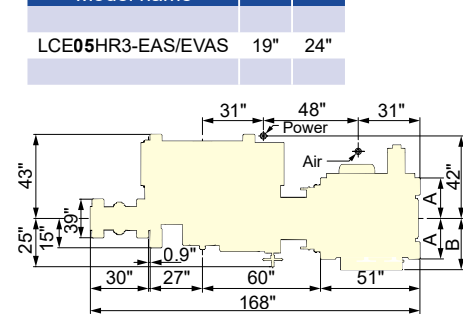


Main dimensions

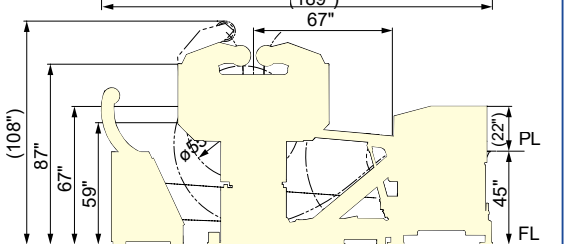
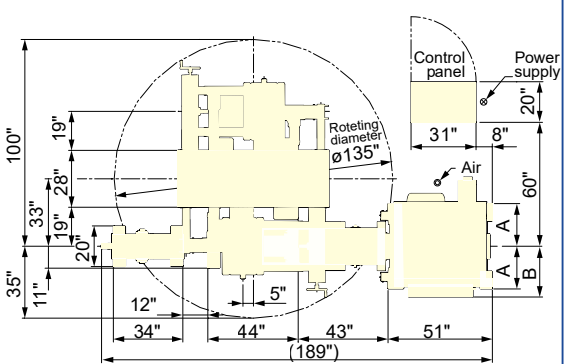


LCE 04/05/06 HR3-EAS single type

Model name	A	B
LCE05HR3-EAS/EVAS	19"	24"



LCE 04/05/06 HR3-EVAS double type



High-Performance Type

LCC HL Series

Main dimensions

Optional



Width: 2.756" ~ 51.181"
Thickness: Max 0.236"



This achieves excellent flatness by utilizing 11 work rolls.

The HLU type can straighten high-tensile materials by adopting an all-roll drive system and strengthening the frame rigidity.



LCE HR3 Series
Double uncoiler type



LCC HR3 Series



Compact Type

Meets the need for high performance and saving space.

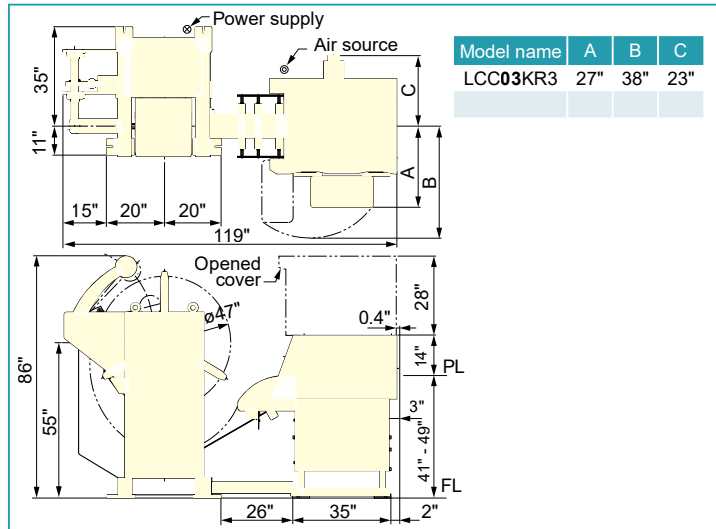
LCC KR3 Series

Width: 1.968" ~ 15.748"
Thickness: Max 0.126"

This is a compact best-selling model, which promotes space saving and high performance. Maintenance, including roll cleaning, has been made easy by making it possible to open the cover over the straightener to access the inside.



Main dimensions



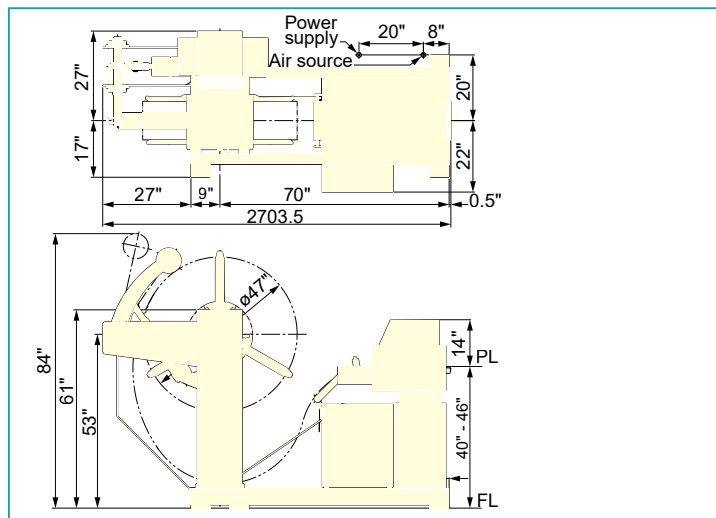
LCC 03KL Series

Width: 1.968" ~ 11.811"
Thickness: Max 0.126"

This is a model that pursues economic efficiency by simplifying and downsizing to the utmost limit.



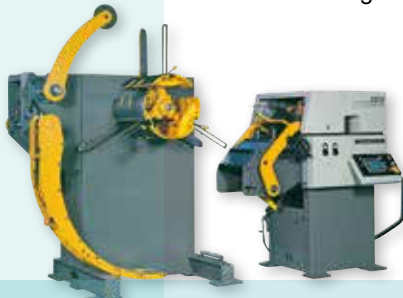
Main dimensions



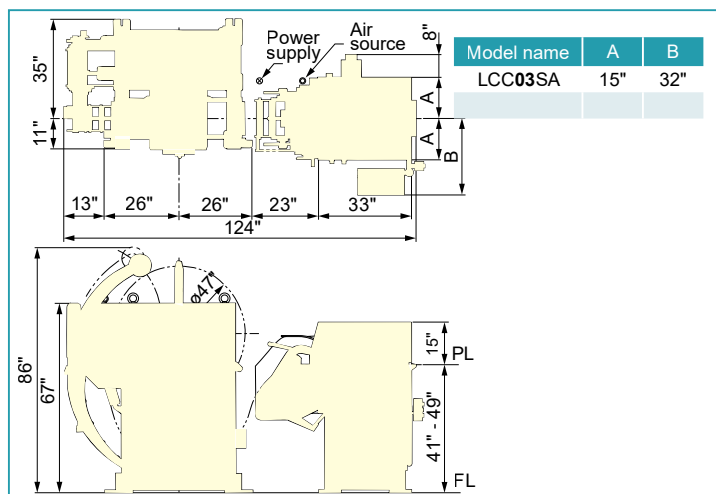
LCC SA Series

Width: 1.968" ~ 15.748"
Thickness: Max 0.126"

This is a compact model equipped with ASC control (which detects the outer diameter of the coil material and automatically changes the amount of correction), 11 work rolls to improve flatness, and a motor-controlled cover opening mechanism that makes roll cleaning easy.



Main dimensions



Heavy-Duty Type

Heavy-Duty Type A heavy-duty type that emphasizes high rigidity.

LCC PM2

Series ■ Main dimensions

Optional



Width: 2.756" ~ 51.181"
Thickness: Max 0.354"



Optional

Flatness is improved with 9 work rolls. By incorporating a roll cleaning opening system, maintenance is easier and quality is improved.



LCC GD

Series ■ Main dimensions

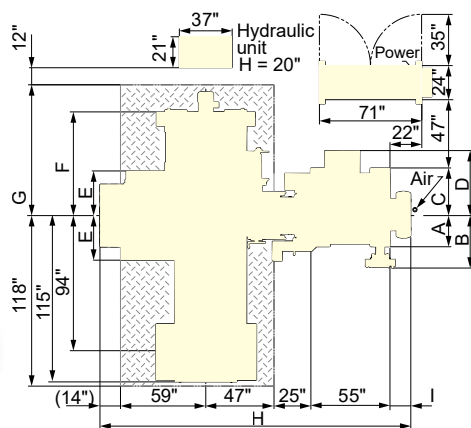


Width: 2.756" ~ 31.496"
Thickness: Max 0.472"

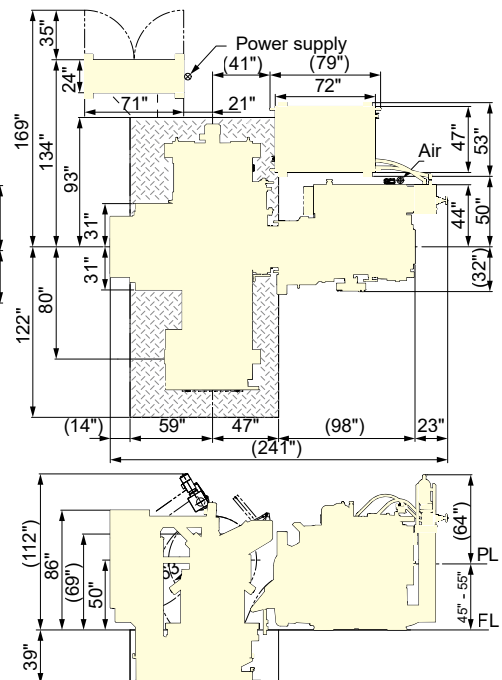
The strongest high-rigidity series that can handle material thicknesses up to 0.472".



LCC 05/08 GD type



LCC 06 GD2 type



Model name	A	B	C	D	E	F	G	H	I	J
LCC05GD	22" (36")	33"	45"	31"	67"	91"	(215")	14"	35"	

